



Project: Alaska Copper Works

Inspection Date: 02/12/2019

Project No.: 19ACW1

Technician: David Carrico

System Performance:

Was system running during the inspection? ☐ Yes ☐ No

Flow Rates (gpm) Influent 153 Effluent 148 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 16 Effluent 12 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 16 Effluent 11

Carbon Filter Pressures (Lead) Influent 10 Effluent 6 The carbon filters should be

Carbon Filter Pressures (Lag) Influent 5 Effluent 0 backflushed if differential pressure > 8 psi

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2 full barrels
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	New probe will be installed on 2/20/2019



Water Sampling:

Were water samples taken? ☒ Yes ☐ No

Raw water:	pH	<u>7.63</u>	Turbidity	<u>22.5</u>	NTU
Bag Filter Influent	pH	<u>8.12</u>	Turbidity	<u>13.5</u>	NTU
Bag Filter Effluent	pH	<u>7.53</u>	Turbidity	<u>11.9</u>	NTU
Carbon Filter Influent	pH	<u>7.29</u>	Turbidity	<u>8.9</u>	NTU
Carbon Filter Effluent	pH	<u>7.31</u>	Turbidity	<u>5.3</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: _____

Treatment tank: _____

Backflush tank: _____

Main lift station: _____

North lift station: _____

South lift station: _____

Additional Comments, Recommendations and System Upsets:

David Carrico

Technician

Field Tech

Title

02/12/2019

Date

Submit